



T400 Shelf

ISDN Equipment Shelf

Product Features

- Accommodates up to 12 Type 400 NT1, U-RPM or TRI-C circuit packs
- Available in a 19" and 23" rackmount
- Supports internal or external power supplies
- Accommodates various powering and battery systems
- Facilitates battery backup of NT1s and Terminal Equipment
- Built-in fuses protect internal power supplies
- Provides separate frame ground to each circuit
- Wall-mount rack swings out for easy access to connectors
- Standard 5-year warranty

The T400 shelf provides a space-saving housing for multiple Type 400 circuit packs. The T400 shelf can support customer premises NT1 applications, central office U-Repeater Powering Module (U-RPM) applications or Total Reach ISDN Central Office Units (TRI-C). The shelf is effective for large ISDN installations that prefer housing equipment in a centralized location instead of on a desktop. This provides efficient management and maintenance of ISDN circuits.

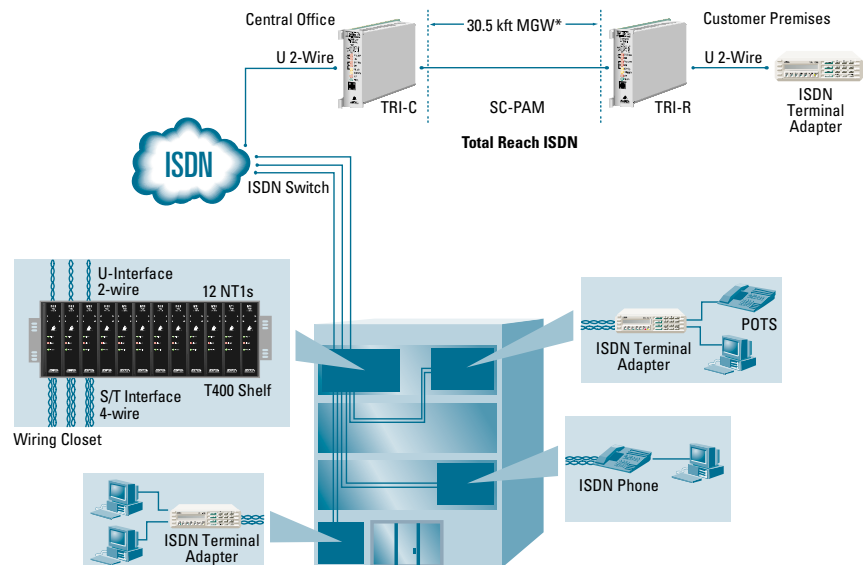
The T400 shelf houses up to 12 NT1s, U-RPMs or TRI-Cs and is available in two sizes. The T400-23 is a 23-inch shelf, and the T400-19 is a 19-inch shelf. The T400 shelf can be powered internally or externally depending on the application.

If U-RPMs are used in a central office, then the shelf is powered externally by a -48 VDC bulk power source. Additionally, for customer premises applications, the shelf has provisions for using internal or external power supplies to power the NT1s and the terminal equipment.

When using internal power, one Type 400 power supply powers the shelf. A second power supply can be used as a redundant supply and will engage as a backup if the first unit fails. Two fuses protect the T400 power supplies from short circuiting. An external alarm can be connected to the shelves as an alert that a T400 power supply is down.

An external power supply (110 VAC to -48 VDC) or any -48 VDC bulk power source can be used instead of the internal T400 power supply to power the NT1s and terminal equipment.

The T400 shelf connects to the network and customer equipment by three 50-pin micro-ribbon connectors. A five position terminal block is used to make connections to the external power supply and the alarm.



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Product Specifications

Circuit Capacity

- **T400-19:** Up to 12 NT1, U-RPM T400 or TRI-C circuit packs when using external power
Up to 10 NT1 T400 circuit packs when using internal power
- **T400-23:** Up to 12 NT1, U-RPM T400 or TRI-C circuit packs when using external power
Up to 12 NT1 T400 circuit packs when using internal power

Connectors

Telco Network

- One 50-pin micro-ribbon connector

Customer Equipment

- Two 50-pin micro-ribbon connectors

External Power Supply and Alarm

- Five position terminal block

Fusing

- **Internal Power:** Two 3 GMT type fuses
- **External Power:** Requires external fuse

Physical

Mount Configuration

- **T400-19:** 19-inch rackmount
- **T400-23:** 23-inch rackmount

Dimensions

- **T400-19 Rack:** 19" W, 6" H, 7.5" D
- **T400-23 Rack:** 22.75" W, 6" H, 7.5" D

Weight

- **T400-19 Rack:** 4.8 lbs
- **T400-23 Rack:** 5.5 lbs

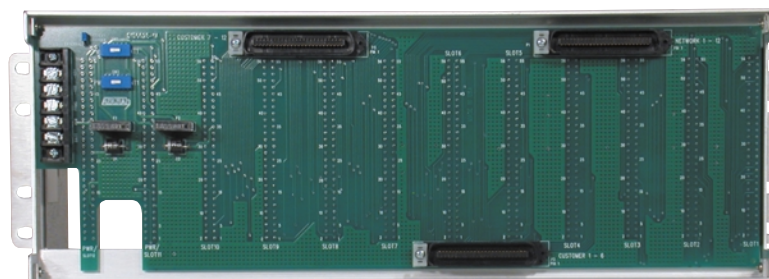
Power

- **Internal:** One or two 3 A, 110 vAC to -48 vDC, T400 supplies
- **External:** -48 vDC

Ordering Information

Equipment	Part #
T400-19 Shelf	1150028L1
T400-23 Shelf, rackmount	1150024L1
NT1 Type 400 Circuit Pack	1212010
Type 400 Power Supply, 3 A	1353POWER04
Ratelco 110 vAC to -48 vDC, 6 A	3353POWER01

* Mixed-Gauge Wire (MGW), with noise: 13kft of 26-gauge wire, 8kft of 24-gauge wire, 9.5 kft of 22-gauge wire



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